Figure 1

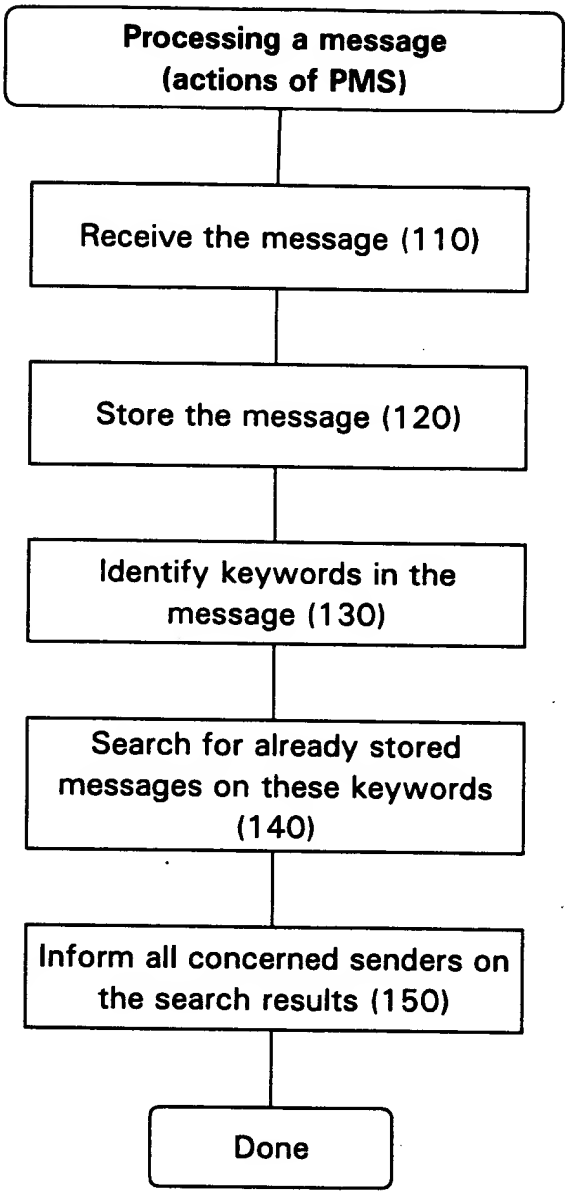

Processing a message (actions of PMS)
Receive the message (110)
Store the message (120)
Identify keywords in the message (130)
Search for already stored messages on these keywords (140)
Inform all concerned senders on the search results (150)
Done

Figure 2

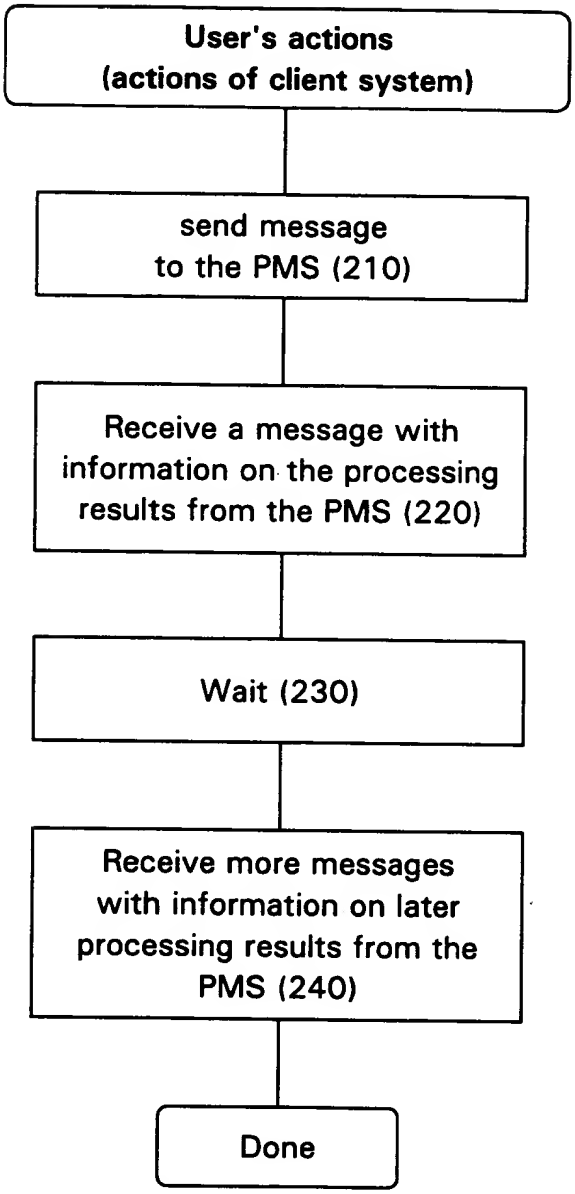

User's actions
(actions of client system)
send message
to the PMS (210)
Receive a message with
information on the processing
results from the PMS (220)
Wait (230)
Receive more messages
with information on later
processing results from the
PMS (240)
Done

Figure 3

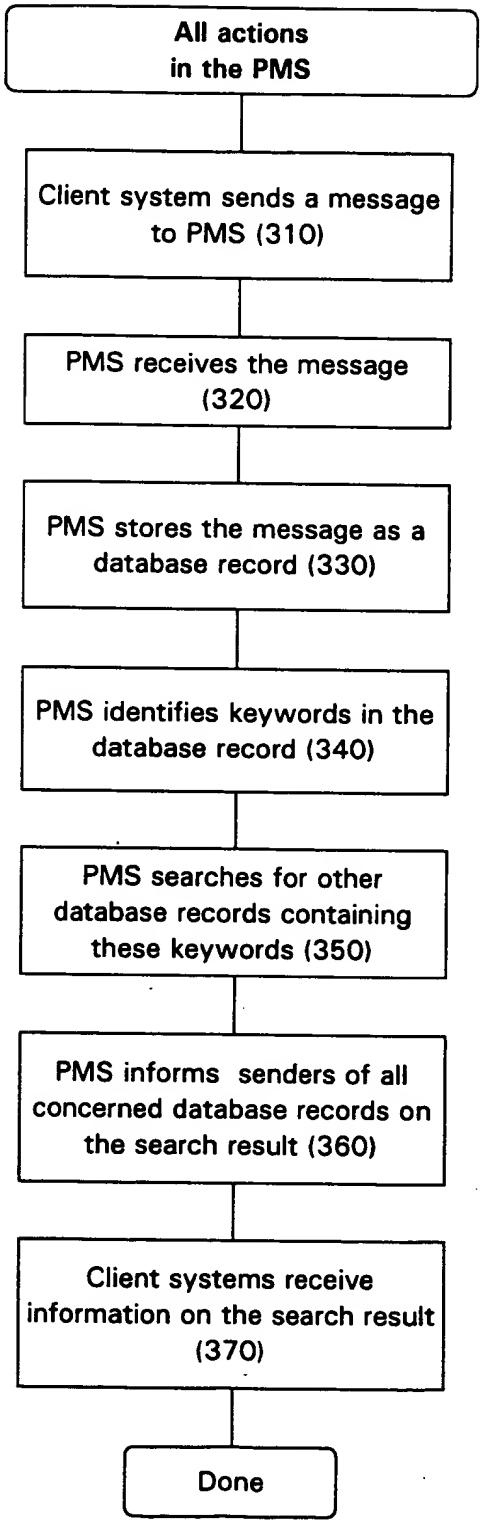

All actions in the PMS
Client system sends a message to PMS (310)
PMS receives the message (320)
PMS stores the message as a database record (330)
PMS identifies keywords in the database record (340)
PMS searches for other database records containing these keywords (350)
PMS informs senders of all concerned database records on the search result (360)
Client systems receive information on the search result (370)
Done

Figure 4

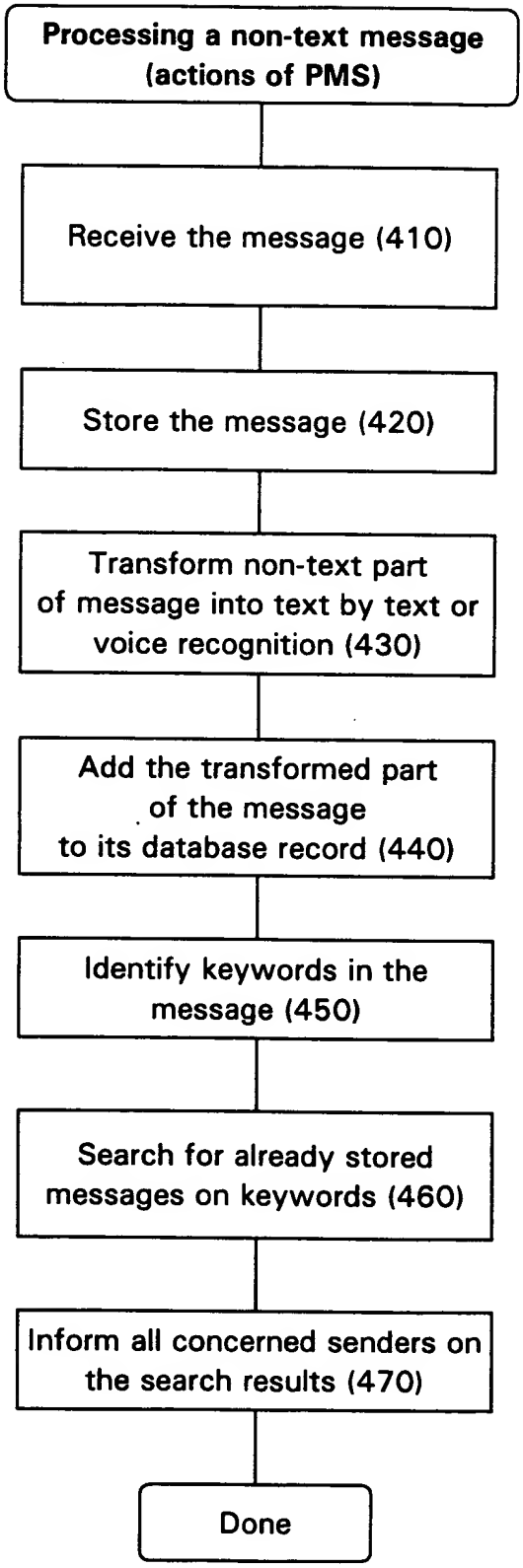
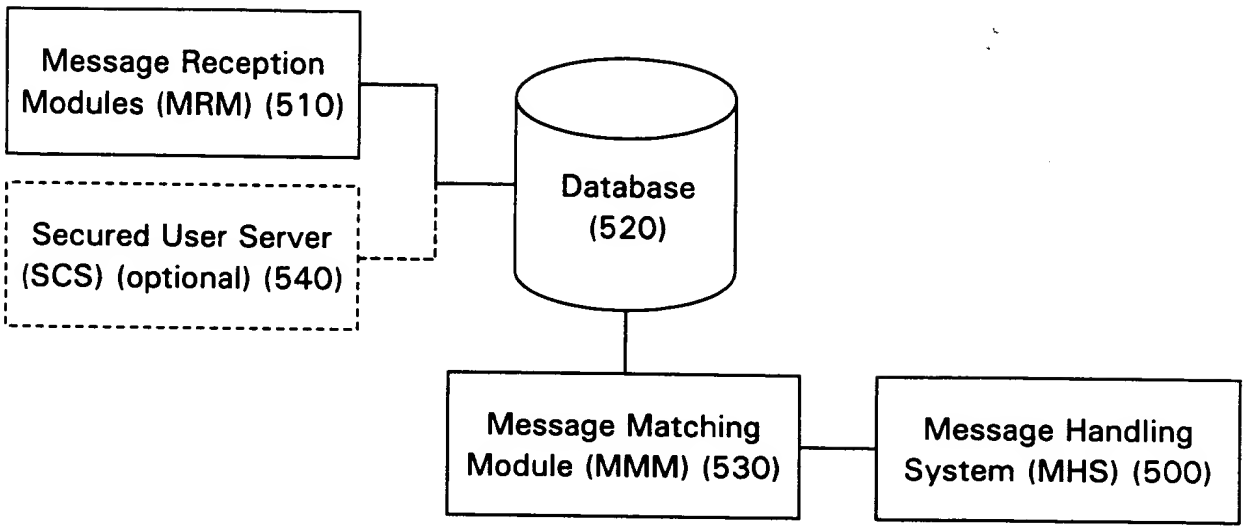

Processing a non-text message (actions of PMS)
Receive the message (410)
Store the message (420)
Transform non-text part of message into text by text or voice recognition (430)
Add the transformed part of the message to its database record (440)
Identify keywords in the message (450)
Search for already stored messages on keywords (460)
Inform all concerned senders on the search results (470)
Done

Figure 5


Message Reception Modules (MRM) (510)
Secured User Server (SCS) (optional) (540)
Database (520)
Message Matching Module (MMM) (530)
Message Handling System (MHS) (500)